

## AMENDMENTS TO THE CLAIMS

### **1 to 15 (Cancelled)**

**16. (Currently Amended)** A thermoplastic layered alkyl siloxane with the composition represented by the formula  $(\text{RSi}_{1+x}\text{O}_{1.5+2x+0.5z}\text{L}_z)_m$   ~~$(\text{RSi}_{1+x}\text{O}_{2+1.5x+0.5z}\text{L}_z)_m$~~  ~~[[()]]~~ here wherein, R is an alkyl group of 8 or more carbon atoms, L is H or a group capable of easily changing the OL group into the OH group in a solution or a suspension,  $x$  is a ratio of Si atoms bonded with four oxygen atoms with respect to total Si atoms, and  $0.5 \leq x \leq 2$ ,  $2 \leq m \leq 200$ ,  $0 \leq z \leq 1$ ],  
and wherein the melting point is in a temperature range of -30 to 60°C.

**17. (Previously Presented)** The thermoplastic layered alkyl siloxane according to claim 16, wherein the decomposing temperature is 300°C or more.

**18. (Previously Presented)** A production method for a thermoplastic layered alkyl siloxane according to claim 16 wherein an alkyl silane compound represented by the formula  $\text{RSi}(\text{OL})_3$ , where R is an alkyl group, L is H, Si or a group capable of changing the OL group into the OH group in a solution or a suspension and a silicon compound represented by the formula  $\text{Si}(\text{OM})_4$ , where M is H or a group capable of changing the OM group into the OH group in a solution or a suspension, are reacted in the presence of water in a solvent or a dispersion medium using an alkaline compound or an acidic compound as a catalyst,

and wherein a concentration of the alkyl silane compound and the silicon compound in the reaction liquid is 10 to 80 wt% and the reaction is carried out at 50 to 200°C.

**19. (Previously Presented)** The production method for a thermoplastic layered alkyl siloxane according to claim 18 wherein an ammonium is used as a catalyst.

**20. (Previously Presented)** A coating agent, containing the thermoplastic layered alkyl siloxane according to claim 16 as the effective component.

**21. (Previously Presented)** A filler, containing the thermoplastic layered alkyl siloxane according to claim 16 for at least a part thereof.

**22. (Previously Presented)** An energy storing material, containing the thermoplastic layered alkyl siloxane according to claim 16 for at least a part thereof.

**23. (Previously Presented)** A temperature sensor, containing the thermoplastic layered alkyl siloxane according to claim 16 for at least a part thereof.